

📅 August 26, 2025

CONFERENCE WEBSITE: <http://jianying.space/cpss/CPSS2025/>

| About the Conference

Cyber-Physical Systems (CPS) of interest to this workshop consist of large-scale interconnected systems of heterogeneous components interacting with their physical environments. There exist a multitude of CPS devices and applications deployed to serve critical functions in our lives thus making security an important non-functional attribute of such systems. This workshop will provide a platform for professionals from academia, government, and industry to discuss novel ways to address the ever-present security challenges facing CPS. We seek submissions describing theoretical and practical solutions to security challenges in CPS. Submissions pertinent to the security of embedded systems, IoT, SCADA, smart grid, and other critical infrastructure are welcome. Topics of interest include, but are not limited to:

- Attack detection for CPS
- Authentication and access control for CPS
- Autonomous vehicle security
- Availability and auditing for CPS
- Blockchain for CPS security
- Data security and privacy for CPS

Important Dates

 **AUG 26**

CONFERENCE DATE
August 26, 2025

Deception Technologies for CPS
Digital twins/Cyber range for CPS security
Embedded systems security
Formal methods in CPS
Industrial control system security
IoT security
Legacy CPS system protection
Lightweight crypto and security
Maritime cyber security
Recovery from cyber attacks
Security and risk assessment for CPS
Security architectures for CPS
Security by design for CPS
Smart grid security
Threat modeling for CPS
Transportation system security
Vulnerability analysis for CPS
Wireless sensor network security

Submission Instructions

Paper submission link: To be provided

Submitted papers must not substantially overlap papers that have been published or that are simultaneously submitted to a journal or a conference with proceedings. The review process is double-blinded. The submitted PDF version should be anonymized. Submissions must be in double-column ACM SIG Proceedings format (See [here](#)), and should not exceed 12 pages. Position papers describing the work in progress and papers describing novel testbeds are also welcome. Only pdf files will be accepted. Authors of accepted papers must guarantee that their papers will be

presented at the workshop. At least one author of the paper must be registered at the appropriate conference rate. Accepted papers will be published in the ACM Digital Library. There will also be a best paper award.

Organizers

Steering Committee

Dieter Gollmann (Hamburg University of Technology, Germany)

Ravishankar Iyer (UIUC, USA)

Douglas Jones (UIUC, USA)

Javier Lopez (University of Malaga, Spain)

Jianying Zhou (SUTD, Singapore) - Chair

Program Chairs

Awais Yousaf (SUTD, Singapore)

Eyasu Getahun Chekole (SUTD, Singapore)

Publication Chair

Ahmed Amro (NTNU, Norway)

TOPICS OF INTEREST

2 topics

Research papers are invited in, but not limited to, the following areas:

Uncategorized

Cybersecurity & Privacy

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